





FIG. 3

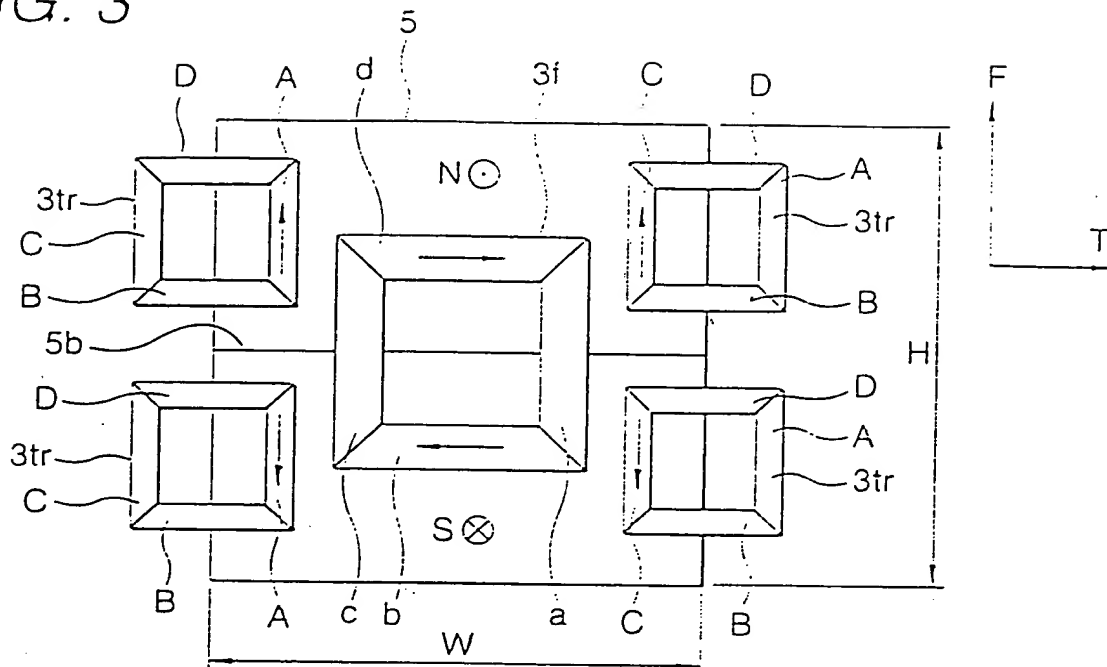


FIG. 4

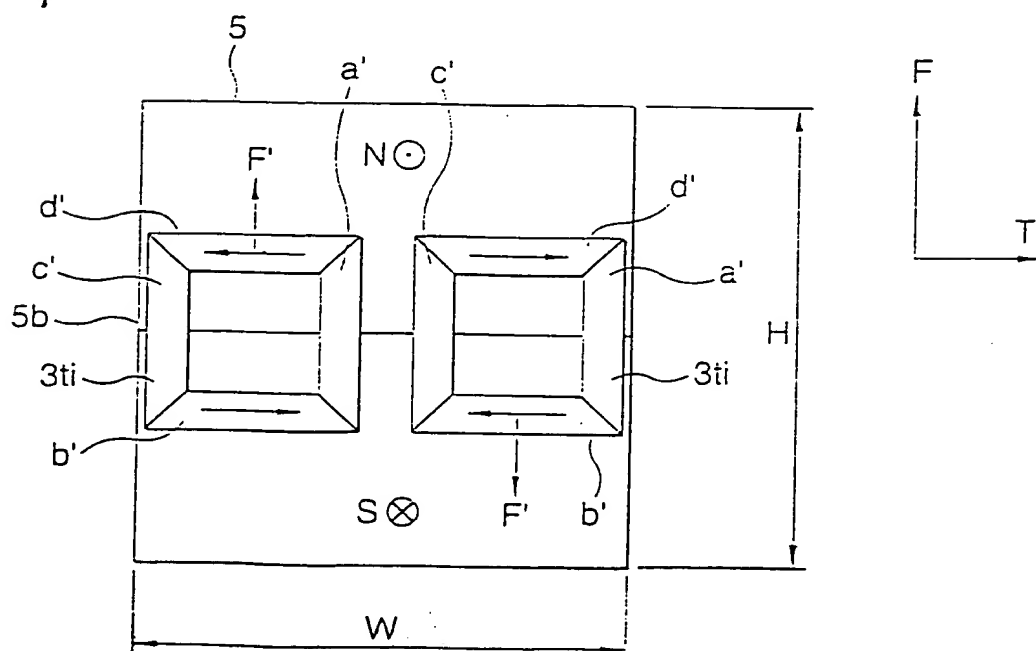


FIG. 5

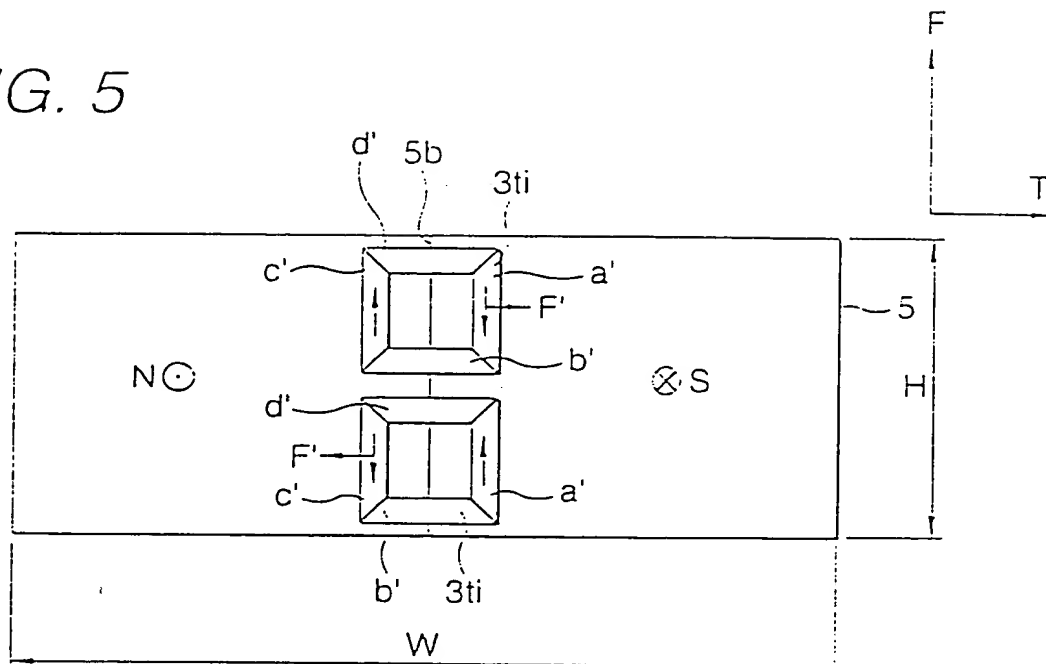


FIG. 6

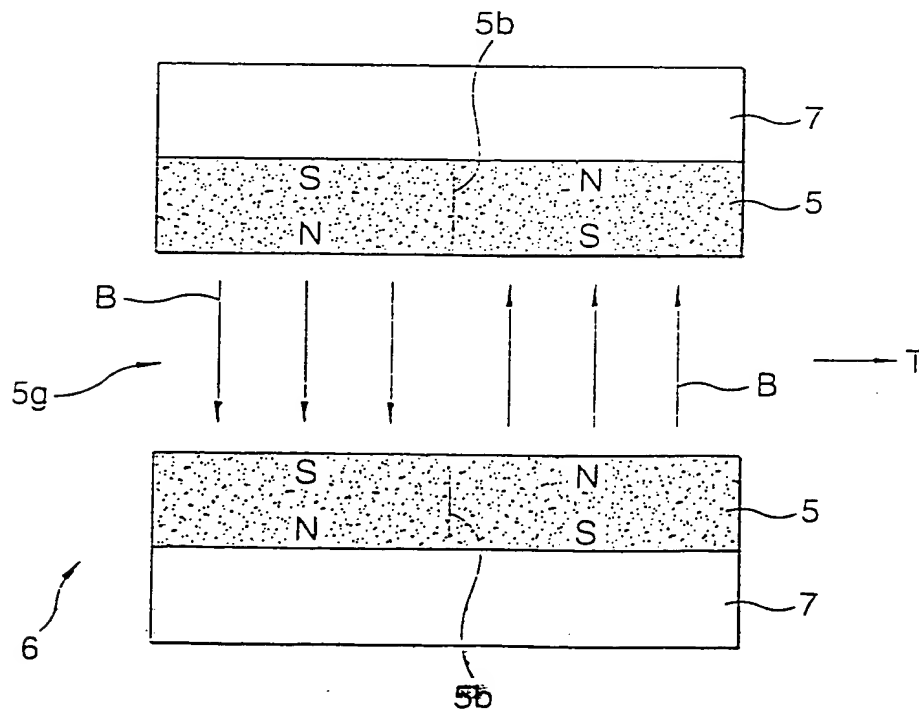


FIG. 7

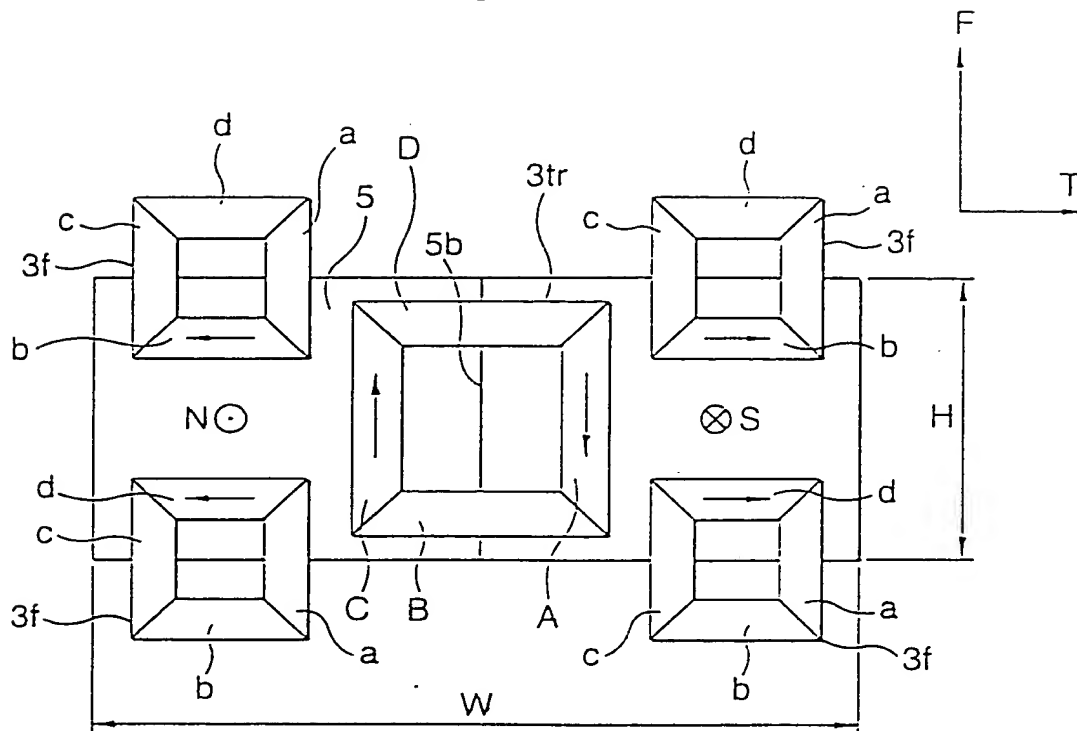


FIG. 8

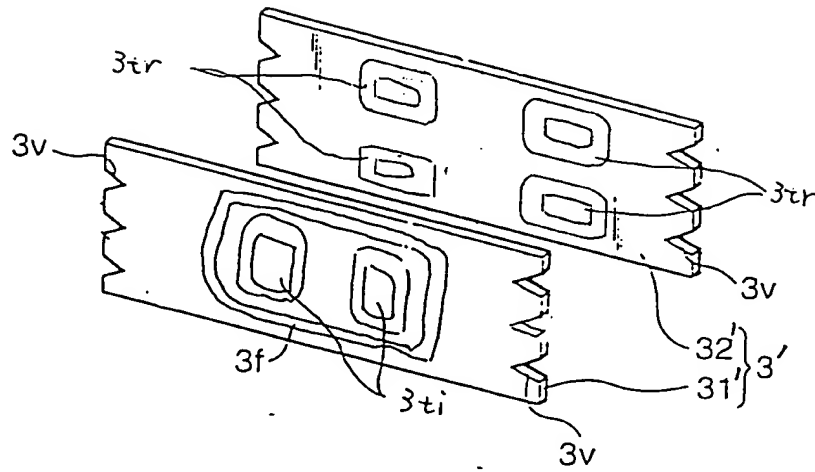
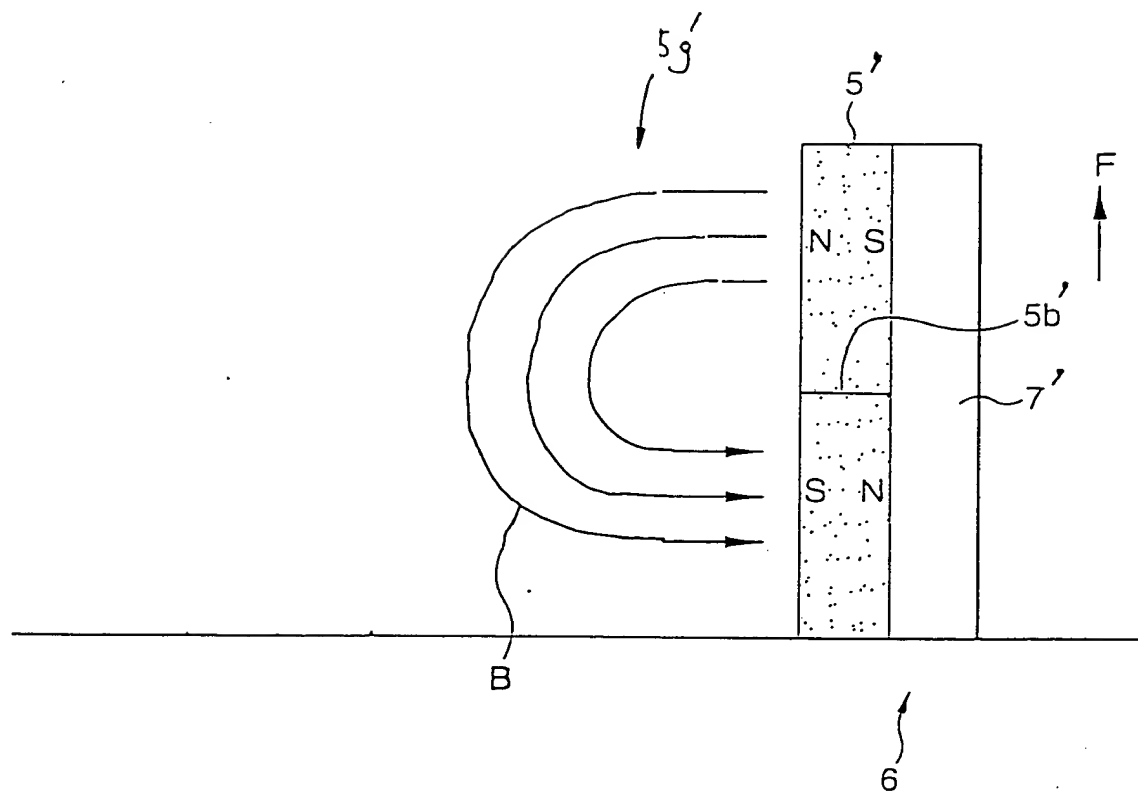


FIG. 8



FIG. 10







[illegible]

FIG. 13A

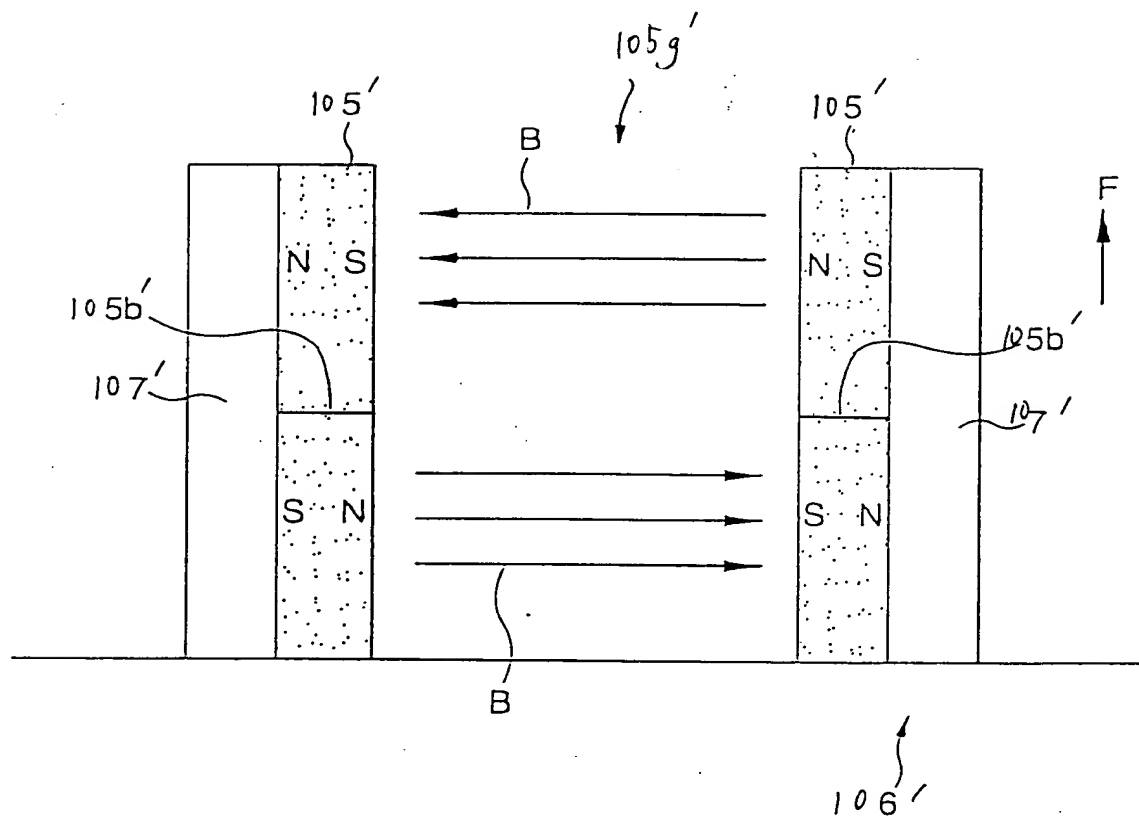


FIG. 13B

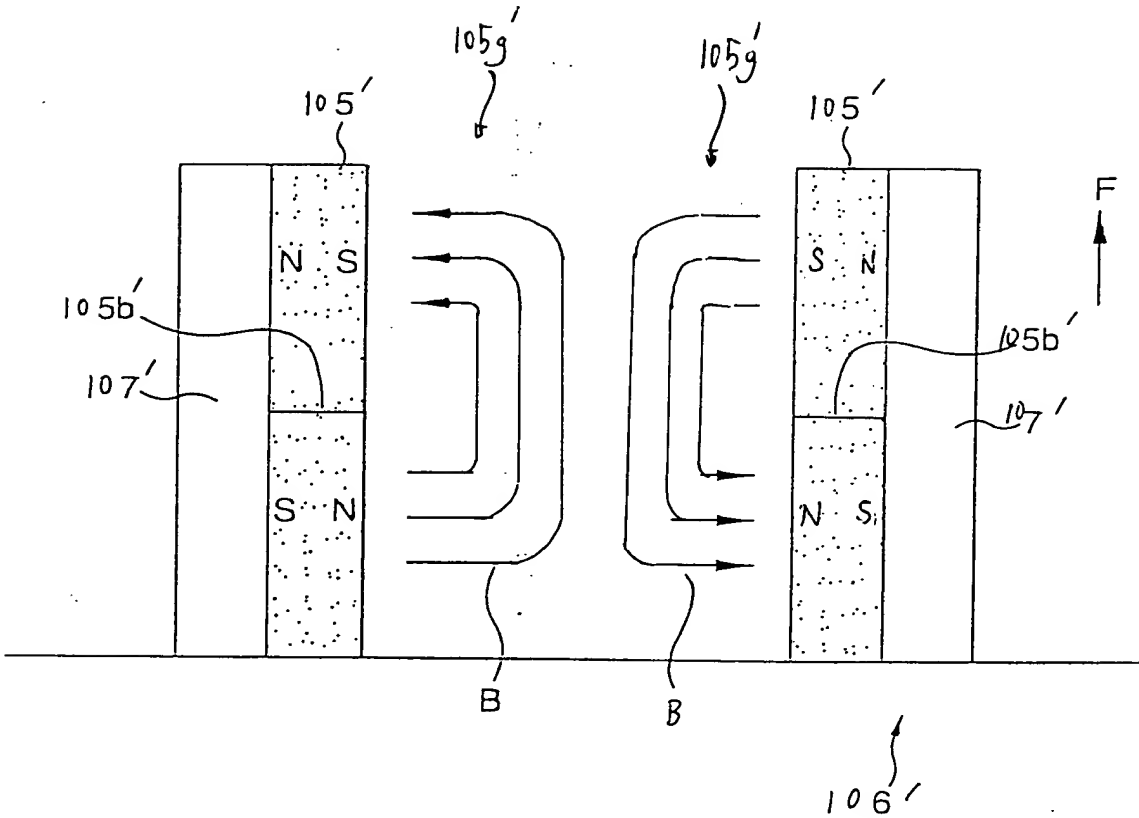




FIG. 1 is a schematic diagram of a magnetic head assembly 101. The assembly includes a substrate 101 with four magnetic heads 113 arranged in a 2x2 grid. Each head 113 is connected to a common data line 130tr on the left and a common reference line 130f on the right. The heads are also connected to a common ground line 130ti at the bottom. The heads are labeled 113, 130tr, 130f, and 130ti.

FIG. 17

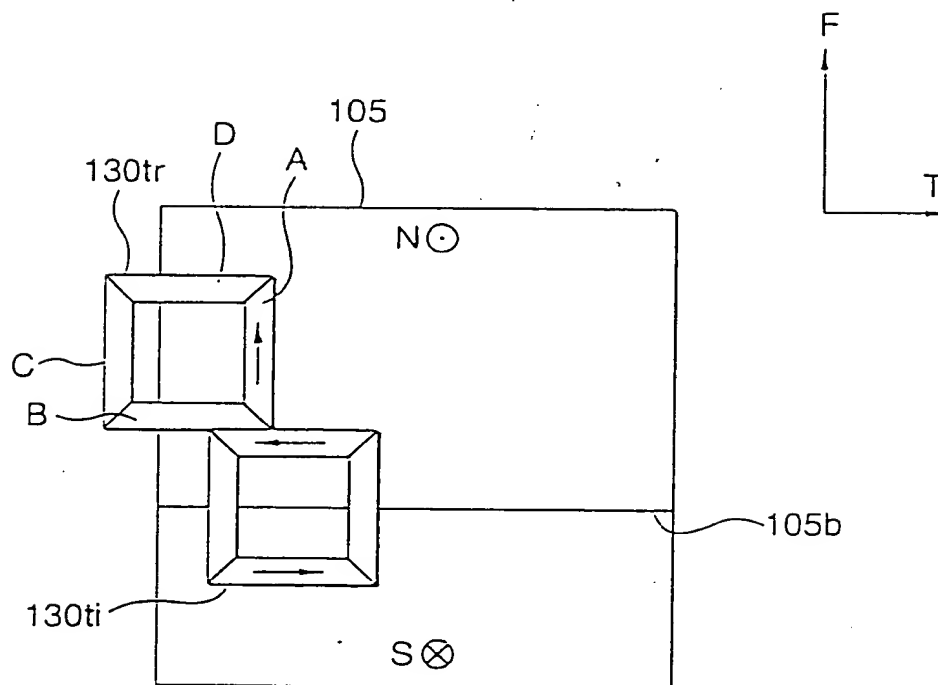


FIG. 18

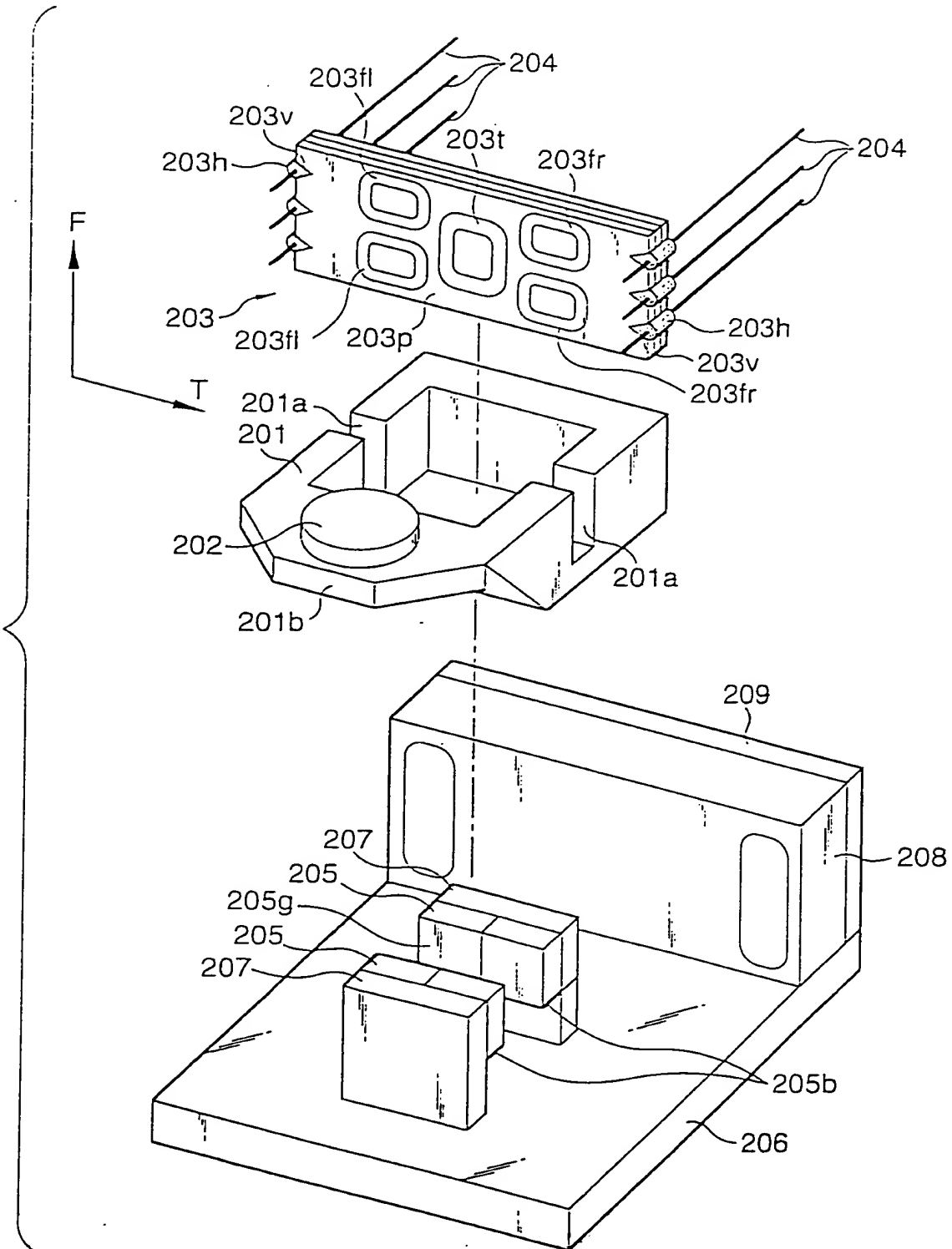




FIG. 19

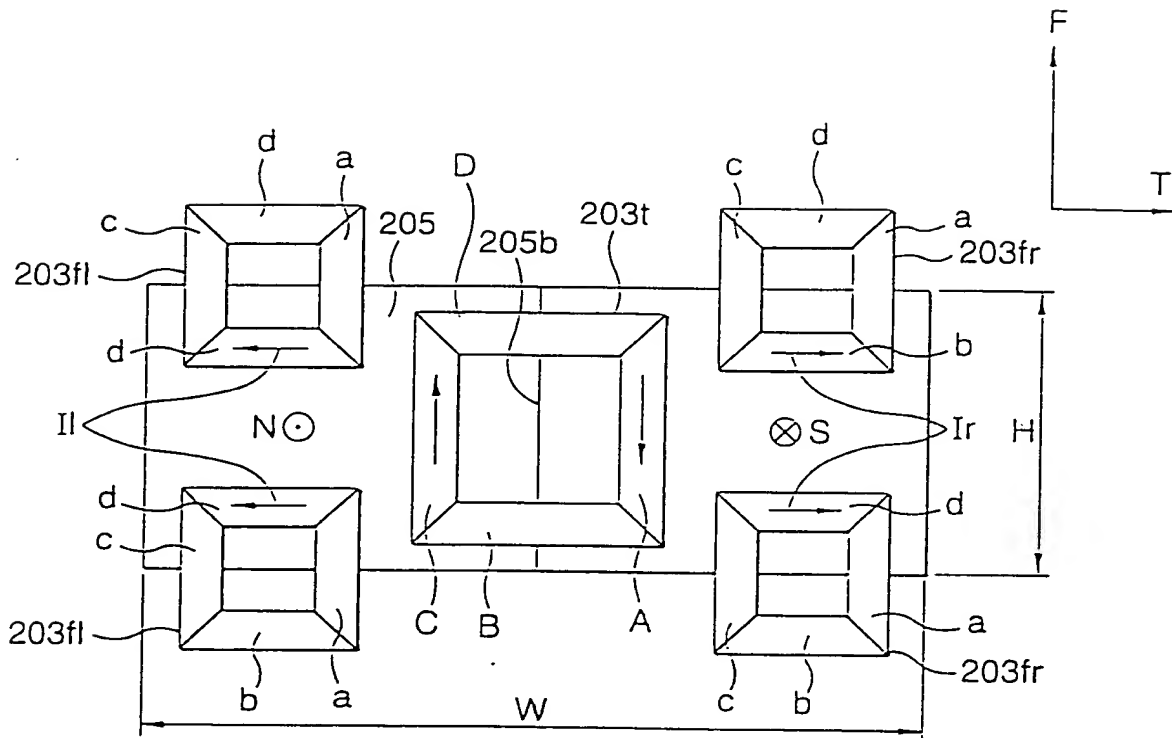


FIG. 20

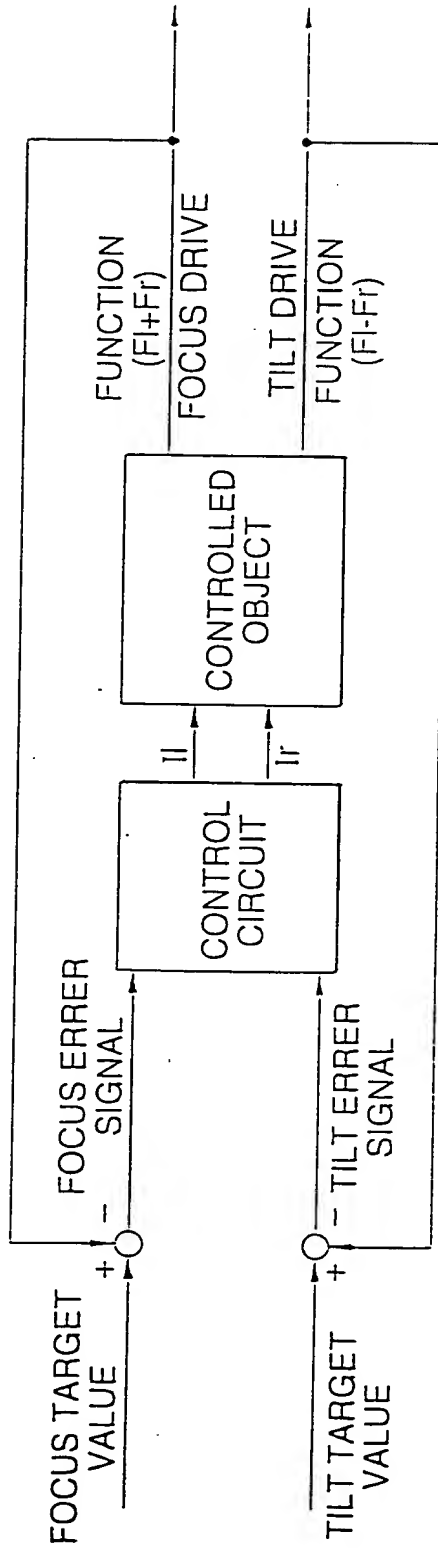


FIG. 21.A

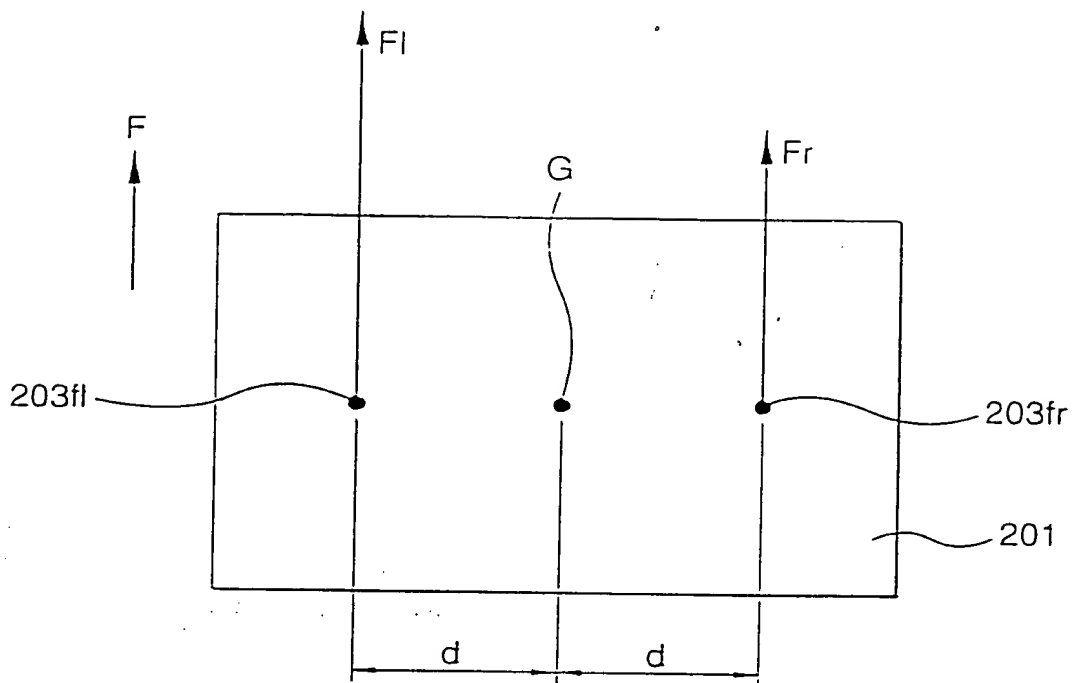


FIG. 21.B

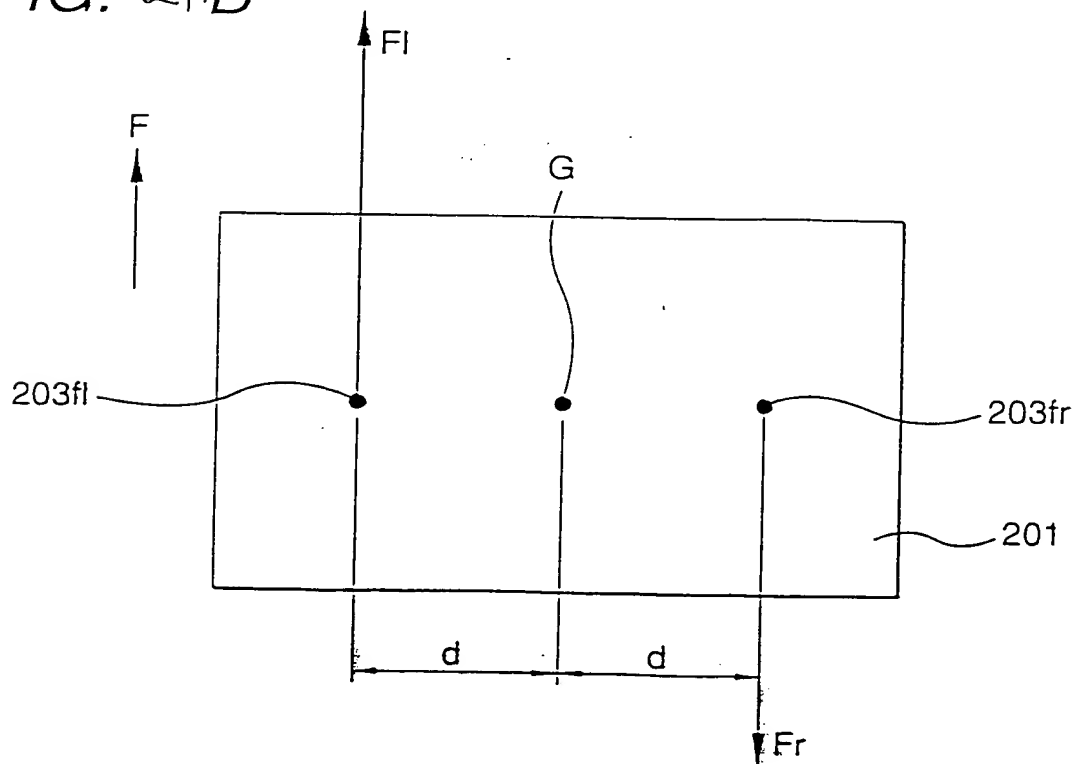








FIG. 25

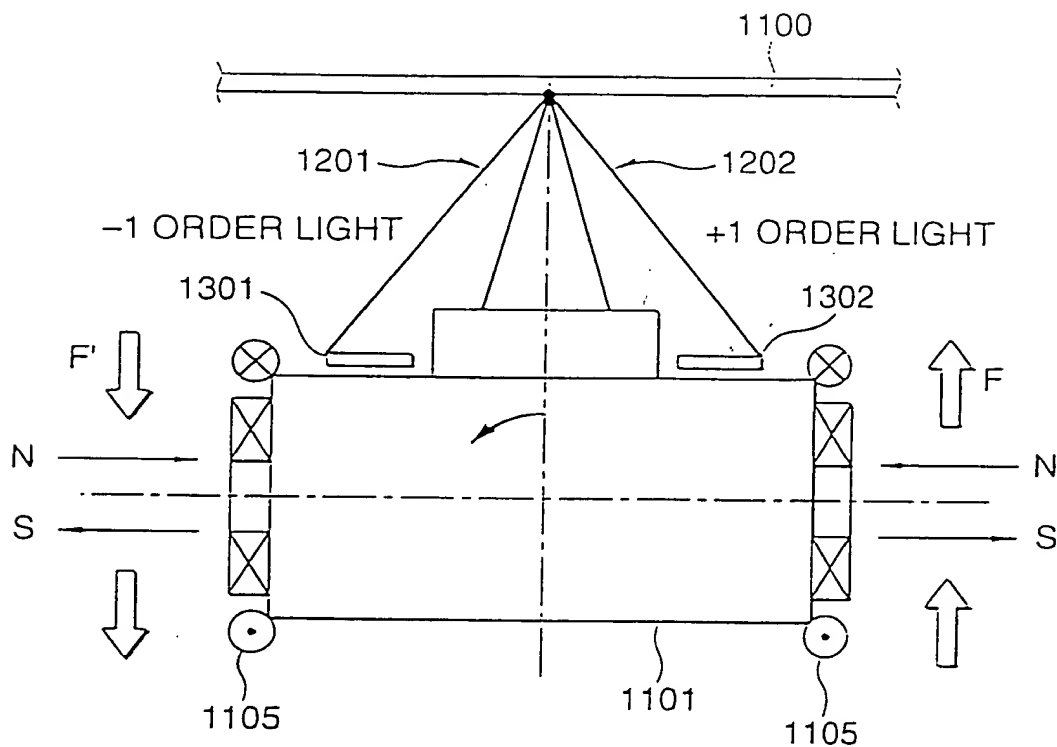


FIG. 26

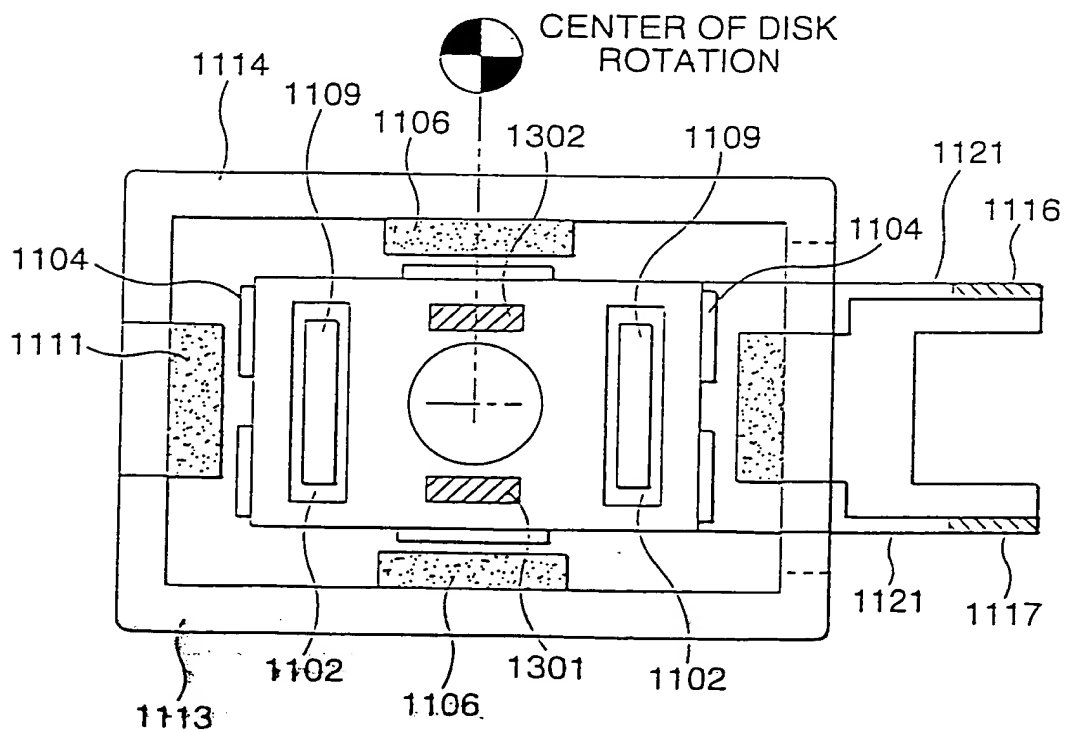


FIG. 27

